



PATENT  
Docket No. 290.00420101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	SHI et al.	)	Group Art Unit:	1617
		)		
Serial No.:	09/438,206	)	Examiner:	HUI, San Ming R
Confirmation No.:	9018	)		
		)		
Filed:	12 November 1999	)		
		)		
For:	METHODS AND COMPOSITIONS FOR TREATING MAMMALIAN SPINAL CORD INJURIES			

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**INFORMATION DISCLOSURE STATEMENT**

MAIL STOP RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Per M.P.E.P. § 609, the information cited in the present Information Disclosure Statement shall not be construed to be an admission that the information is, or is considered to be, material to patentability. Consideration of each of the documents listed on the attached 1449 form(s) is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicants further request that a copy of the 1449 form(s), marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Applicants also wish to bring the Examiner's attention to the following pending U.S. Applications, as well as any documents, Office Actions that may include rejections of similar claims, and any provisional U.S. patent applications referenced in the pending U.S. applications or in their file wrappers. A copy of the below-listed pending U.S. Patent Application(s) is provided.

**Information Disclosure Statement**

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**List of Pending Non-Published U.S. Patent Applications**

Applicant(s)	Application Number	Filing Date	Serial No. of Provisional Application to which listed Application claims priority
Shi et al.	10/901,481	28 July 2004	60/286,200

It is believed that no fee is due, as this Information Disclosure Statement is filed with a Request for Continued Examination. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

<b>CERTIFICATE UNDER 37 C.F.R. 1.10:</b>
The undersigned hereby certifies that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated below and is addressed to MAIL STOP RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
 <b>Sara E. Olson</b>
"Express Mail" mailing label number: EV405491523US
Date of Deposit: <u>24</u> November 2004

Nov 24, 2004  
Date

Respectfully submitted for

Purdue Research Foundation

By

Mueting, Raasch &amp; Gebhardt, P.A.

P.O. Box 581415

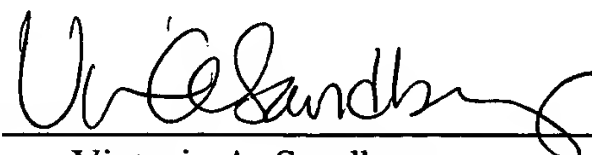
Minneapolis, MN 55458-1415

Phone: (612)305-1220

Facsimile: (612)305-1228

**Customer Number 26813**


By:



Victoria A. Sandberg

Reg. No. 41,287

Direct Dial (612)305-1226

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	Application Filing Date: 12 Nov. 1999	Group: 1617
	Information Disclosure Statement mailed: 24 November 2004	

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
		6,495,532 B1	12/17/02	Bathurst et al.			
		US 2003/0118545	06/26/03	Shi et al.			
		US 2004/0214790 A1	10/28/04	Borgens			

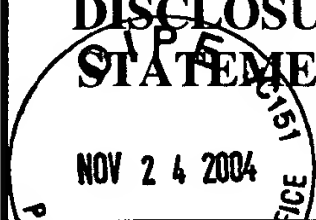
## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
		WO 2004/060146A2	07/22/04	PCT				

## OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial		Document Description
		Benzon et al. "The Effect of Polyethylene Glycol on Mammalian Nerve Impulses" <i>Anesth. Analg.</i> 1987;66:553-9.
		Borgens et al. "A subcutaneous tri-block copolymer produces recovery from spinal cord injury" <i>J. Neurosci. Res.</i> 2004;76:141-154
		Carpenter et al. "Response of dogs to repeated intravenous injection of polyethylene glycol 4000 with notes on excretion and sensitization." <i>Toxicol. Appl. Pharmacol.</i> 1971;18:35-40.
		Hansen et al. "A pathological-anatomical study on disk degeneration in dog with special reference to the so-called enchondrosis intervertebralis" <i>Acta Orth Scand</i> 1952;11:1-129.
		Horelein, B.F. "Comparative disk disease: man and dog." <i>JAAHA</i> 1979;15:535-545.
		Luo et al. "Polyethylene glycol immediately repairs neuronal membranes and inhibits free radical production after acute spinal cord injury" <i>J. Neurochemistry</i> 2002;83:471-480.

<b>EXAMINER</b>	<b>Date Considered</b>
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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	Maskarinec et al. "Direct observation of poloxamer 188 insertion into lipid monolayers" <i>Biophys. J.</i> 2002;82:1453-1459.
	McNally et al. "Three-Dimensional Imaging of Living and Dying Neurons with Atomic Force Microscopy" <i>J. Neurocytology</i> 2004;33:251-258.
	Pointillart et al. "Pharmacological therapy of spinal cord injury during the acute phase" <i>Spinal Cord</i> 2000;38:71-76.
	Principe, A.H. "Polyethylene glycols. Studies of absorption, excretion, retention, and identification" <i>J. Forensic Sci.</i> 1968;13:90-113.
	Selby, R. <i>Neurosurgery</i> "Correspondence" 1983;12:5:591
	Shaffer et al. "The absorption and excretion of the solid polyethylene glycols" ("Carbowax" Compounds). <i>J. Amer. Pharm. Assoc.</i> 1947;36:152-157.
	Shaffer et al. "Renal excretion and volume distribution of some polyethylene glycols in the dog." <i>Amer. J. Of Phys.</i> 1948;152:93-99.
	Short et al. "High dose methylprednisolone is the management of acute spinal cord injury- a systematic review from a clinical perspective" <i>Spinal Cord</i> 2000;38:273-286.
	Smyth et al. "The toxicity of high molecular weight polyethylene glycols; chronic oral and parenteral administration." <i>J. Amer. Pharm. Assoc.</i> 1947;36:157-160.
	Working et al. "Safety of poly (ethylene glycol) and poly (ethylene glycol) derivatives in Poly (ethylene glycol) chemistry and biological applications. Harris and Zalipsky (eds.), in <i>Polyethylene glycol): Chemistry and Biological Applications</i> 1997;Title page, Table of Contents, and pages 45-57

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